



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

83100-46

Date of Issuance:

2/28/17

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Rimsulfuron-S 25% SG

Name and Address of Registrant (include ZIP Code):

Anna Armstrong  
Agent for Rotam Agrochemical Company, Ltd.  
c/o Wagner Regulatory Associates, Inc.  
P.O. Box 640  
Hockessin, DE 19707

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Shaja B. Joyner, Product Manager 20  
Fungicide-Herbicide Branch  
Registration Division 7505P

Date:

2/28/17

2. Be aware that proposed data requirements have been identified in a Work Plan or proposed DCI. For more information on these proposed data requirements, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division:  
<http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>
3. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 83100-46.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

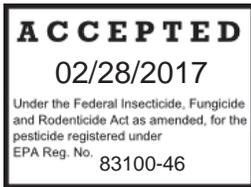
Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated July 18, 2016
- Alternate CSF 1 dated July 18, 2016
- Alternate CSF 2 dated July 18, 2016

If you have any questions, please contact Driss Benmhend by phone at (703) 308-9525, or via email at [Benmhend.driss@epa.gov](mailto:Benmhend.driss@epa.gov).

Enclosure



|       |   |           |
|-------|---|-----------|
| GROUP | 2 | HERBICIDE |
|-------|---|-----------|

# Rimsulfuron-S 25% SG

A water soluble granule herbicide for use in field corn.

|   |               |
|---|---------------|
| <b>ACTIVE INGREDIENT:</b>   | <b>BY WT.</b> |
| Rimsulfuron: N-((4,6-dimethoxypyrimidin-2-yl)aminocarbonyl)-3-(ethylsulfonyl)-2-pyridinesulfonamide ..... | 25.0%         |
| <b>OTHER INGREDIENTS:</b> .....   | <u>75.0%</u>  |
| <b>TOTAL:</b> .....   | <b>100.0%</b> |

## KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand this label, find someone to explain it to you in detail.)

| FIRST AID   |   |
|---|---|
| <b>IF SWALLOWED:</b>  | <ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to by the poison control center or doctor.</li> <li>• Do not give anything to an unconscious person.</li> </ul> |
| <b>IF ON SKIN OR CLOTHING:</b>  | <ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>   |
| <b>IF IN EYES:</b>  | <ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>   |
| <b>IF INHALED:</b>  | <ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.</li> </ul>  |
| HOT LINE NUMBER   |   |
| Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For 24-Hour Medical Emergency Assistance (Human or Animal) call: <b>1-800-222-1222</b> . For Chemical Emergency Assistance (Spill, Leak, Fire, or Accident) call CHEMTREC: <b>1-800-424-9300</b> . |   |

*[Optional referral statements when booklets and container labels are used:*

See Panel for First Aid Instructions and booklet for complete Precautionary Statements and Directions for Use.  
See label booklet for complete Precautionary Statements, Directions For Use, and Storage and Disposal.  
See label booklet for additional Precautionary Statements Directions For Use, and Storage and Disposal.  
See label booklet for complete Directions For Use.]

**Manufactured By [For]:**  
Rotam Agrochemical Co. Ltd.  
26/F, E-Trade Plaza  
24 Lee Chung Street  
Chai Wan, Hong Kong

**EPA Reg. No.: 83100-XX**  
**EPA Est. No.:**

**Net Contents:**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS  
CAUTION**

Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some of the materials that are chemical-resistant to this product are listed below.

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as butyl rubber  $\geq 14$  mils, or natural rubber  $\geq 14$  mils, or neoprene rubber  $\geq 14$  mils, or nitrile rubber  $\geq 14$  mils
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENGINEERING CONTROL STATEMENTS**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR, Part 170, Section 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**USER SAFETY RECOMMENDATIONS**

**Users should:**

- Wash hands thoroughly before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters or rinsate.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.**

The following PPE is required for early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water:

- Coveralls
- Chemical-resistant gloves, such as butyl rubber  $> 14$  mils, or natural rubber  $> 14$  mils, or neoprene rubber  $> 14$  mils, or nitrile rubber  $> 14$  mils
- Shoes plus socks

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label before using this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### PRODUCT INFORMATION

Use **Rimsulfuron-S 25% SG** herbicide only in accordance with instructions on this label or in separate published labeling. Rotam will not be responsible for losses or damage resulting from use of this product in any manner not specifically instructed by Rotam. **Rimsulfuron-S 25% SG** is a water soluble granule herbicide formulation containing 25% active ingredient by weight. **Rimsulfuron-S 25% SG** is for use in burndown and residual control applications for control of certain annual grass and broadleaf weeds when applied pre-emergence and post-emergence to field corn.

#### Restrictions:

- Do not apply to sweet corn, popcorn, or field corn grown for seed.
- Do not make pre-emergence applications to coarse-textured soils (sandy loam, loamy sand, or sand) that have less than 1% organic matter.
- Do not make aerial applications in the states of California and New York.
- Do not apply more than 2 oz. of **Rimsulfuron-S 25% SG** per acre per year.
- Limit preemergence rate of Rimsulfuron-S 25% SG to a maximum of 1.25 oz product if following with postemergence applications of the Rimsulfuron product noted above.
- Allow a minimum of 3 weeks between preemergence application of Rimsulfuron-S 25% SG and postemergence applications of the herbicides noted above.
- Make sequential applications after the corn has reached the 2-collar stage but before the corn exceeds the maximum application height listed on the respective product labels.

### APPLICATION INFORMATION

Apply **Rimsulfuron-S 25% SG** to "Roundup Ready" corn in tank mix combinations with glyphosate herbicides such as Glyphos® or Glyphos® X-TRA, or similar products to extend control of weeds that emerge later. Residual weed control is dependent on soil moisture and is optimized by rainfall or sprinkler irrigation to activate the herbicide.

Adequate soil moisture is required to maximize product performance. Rainfall or irrigation within 5 to 7 days after application will improve **Rimsulfuron-S 25% SG** residual activity. If more than ½ inch of rainfall or irrigation is not received within 5 to 7 days after application, cultivate or follow with a sequential application of Primero® or Accent® herbicide, if determined necessary.

#### Application Timing

Allow at least 21 days between pre-emergence application of **Rimsulfuron-S 25% SG** and post-emergence applications of rimsulfuron-containing products. For sequential applications - apply after the 2-collar stage but before the corn reaches the maximum application height referenced on the label of product being applied.

Make applications of **Rimsulfuron-S 25% SG** to field corn hybrids with a relative maturity (RM) of equal to or greater than 77 days (including yellow dent, hard endosperm, "food grade"; waxy and High-Oil corn). Crop safety information is not available for all field corn varieties (including field corn hybrids less than 77 days RM, white corn hybrids or Hi-Lysine hybrids). In addition, Rotam does not have access to data from seed companies. Injury resulting from the use of **Rimsulfuron-S 25% SG** on these varieties or types of corn is the responsibility of the user. Contact your seed supplier before making applications of **Rimsulfuron-S 25% SG** to any of these corn varieties or types. Seed companies provide information in publications that indicate "Crop Response Warning", "Warning", or "Sensitive" notations for the use of ALS herbicides on corn hybrids having a RM of equal to or greater than 77 days. As indicated in these publications, user should proceed with caution when using sulfonylurea herbicides (including **Rimsulfuron-S 25% SG**) on these hybrids. Consult with your local Rotam representative for additional information regarding corn hybrid sensitivity to **Rimsulfuron-S 25% SG**.

Do not make applications greater than a total of 2.0 oz. of **Rimsulfuron-S 25% SG** (or 0.5 oz. active ingredient rimsulfuron) during the crop season, including pre-emergent and post-emergent applications or combinations of pre/post applications of **Rimsulfuron-S 25% SG**, and application(s) of other products that contain rimsulfuron. Pre-emergent rates of **Rimsulfuron-S 25% SG** should be limited to a maximum of 1.25 oz. of product if application will be followed with a post-emergence application of the rimsulfuron-containing products.

### FALLOW

#### Use Rates

Make application of 1 - 2 ounces of **Rimsulfuron-S 25% SG** per acre.

**Application Timing**

Apply as a fallow treatment in the spring or fall when weeds are actively growing and most weeds have emerged.

**Tank Mixtures for fallow use**

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Use **Rimsulfuron-S 25% SG** as a fallow treatment and tank mix with other herbicides that are registered for use in fallow. Do not use a product in a tank mixture with **Rimsulfuron-S 25% SG** if the directions on the tank mix partner label conflict with this **Rimsulfuron-S 25% SG** label.

**FIELD CORN - PRE-EMERGENCE****Use Rates - Pre-Emergence**

Apply 0.5 - 2.0 oz. product per acre of **Rimsulfuron-S 25% SG** before corn emerges. See information above for limitations with additional applications of rimsulfuron-containing products. Apply 1 - 1.5 oz. per acre for most applications. Consult your local Rotam representative for additional recommendations.

**Application Timing - Pre-Emergence**

Apply **Rimsulfuron-S 25% SG** pre-plant or pre-emergence to corn. Applications of **Rimsulfuron-S 25% SG** made before weeds have emerged will provide residual control of labeled weeds. If weeds have already emerged, the addition of spray adjuvants as noted below is recommended for optimum control.

**FIELD CORN - POST-EMERGENCE****Use Rates - Post-Emergence**

Apply 0.5 - 2.0 oz. per acre of **Rimsulfuron-S 25% SG** as a post-emergence broadcast application. Apply 1 oz. per acre for most applications. Consult your local Rotam representative for additional recommendations.

**Post-Emergence Restrictions:**

- Do not apply more than 1.0 oz. active ingredient (4 oz. product) rimsulfuron per acre during the crop year from all sources. This includes combinations of pre-emergence and post-emergence applications of **Rimsulfuron 25% SG** or other rimsulfuron-containing products.

**Application Timing - Post-Emergence**

**To Crop:** Apply **Rimsulfuron-S 25% SG** to corn that is no greater than 12 inches tall. Do not apply to corn taller than 12 inches or corn that has 6 or more leaf collars, whichever is most restrictive. Post-emergent applications of **Rimsulfuron-S 25% SG** will provide contact control of labeled weeds and limited residual control of weeds that emerge later.

**To Weeds:** Apply **Rimsulfuron-S 25% SG** with tank mixtures of glyphosate or glufosinate herbicides after weeds have emerged but before weeds are taller than maximum size listed on the glyphosate or glufosinate herbicide labels. Ensure adequate soil moisture for optimum results (see "Application Information" section above).

**SPRAY ADJUVANTS**

Make applications of **Rimsulfuron-S 25% SG** to control emerged weeds with a nonionic surfactant and an ammonium nitrogen fertilizer. Do not add surfactants or adjuvants to tank mixtures if using products that already contain an adjuvant such as RoundUp® Weathermax® or Liberty®. The use of a crop oil concentrate (instead of a nonionic surfactant) is recommended for pre-emergence burndown applications of **Rimsulfuron-S 25% SG**. Consult your local Rotam representative prior to using other adjuvant systems.

**Petroleum-based Crop Oil Concentrate (COC) or Modified Seed Oil (MSO)**

- Make applications at 1% v/v (1 gallon per 100 gallons of spray solution) or 2% v/v under dry conditions.
- Use an MSO at 0.5% v/v (0.5 gallon per 100 gallons of spray solution) if specifically recommended on the adjuvant product labeling.
- Oil adjuvants must contain at least 80% high quality, modified vegetable seed oil or petroleum (mineral) and have at least 15% surfactant emulsifiers.

**Nonionic Surfactant (NIS)**

- Make applications at 0.25% v/v (1 quart per 100 gallons of spray solution).
- Surfactants must have a hydrophilic/lipophilic balance (HLB) greater than 12 and contain at least 60% nonionic surfactant.

**Ammonium Nitrogen Fertilizer**

- Use 2 quarts per acre of a high-quality urea ammonium nitrate (UAN) such as 2 lbs. per acre of a spray-grade ammonium sulfate (AMS), 28%N or 32%N.
- After crop has emerged, do not use liquid nitrogen fertilizer as the total carrier solution.

**Special Adjuvant Types**

- Use of combination adjuvant products at doses that provide the required amount of NIS and ammonium nitrogen fertilizer is allowed. Consult product labeling for use rates and restrictions.
- Do not use any other mixtures or adjuvant rates in combination with **Rimsulfuron-S 25% SG**, unless instructed to do so by Rotam labeling.

**WEEDS CONTROLLED/SUPPRESSED IN FIELD CORN**

| <b>Pre-Emergence Control</b>  |   |
|---|---|
| <b>Grass Weeds</b>  | <b>Broadleaf Weeds</b>  |
| Barnyardgrass<br>Bluegrass, annual*<br>Crabgrass, large*<br>Foxtail (bristly, giant, green, yellow)<br>Panicum, fall*<br>Signalgrass, broadleaf*<br>Wheat, Volunteer<br>Wild Oat*   | Carpetweed*<br>Chamomile, false<br>Cocklebur*<br>Filaree, Redstem<br>Henbit<br>Jimsonweed*<br>Kochia (ALS-sensitive)<br>Lambsquarters, common<br>Morningglory, ivyleaf*<br>Mustard (birdsrape, black)<br>Nightshade* (hairy, black)<br>Palmer, amaranth*<br>Pigweed (prostrate, redroot, smooth)<br>Purslane, common<br>Ragweed, common*<br>Russian thistle, seedling*<br>Smartweed, Pennsylvania*<br>Velvetleaf* |
| <b>Post-Emergence Control</b>   |   |
| <b>Grass Weeds (1-2")</b>   | <b>Broadleaf Weeds (1-3")</b>   |
| Barley, volunteer<br>Barnyardgrass<br>Bluegrass, annual<br>Crabgrass, large (½")<br>Cupgrass, woolly (1")<br>Foxtail (bristly, giant, green, yellow)<br>Johnsongrass, seedling*<br>Millet, wild-proso*<br>Panicum, fall<br>Quackgrass*<br>Ryegrass, Italian*<br>Shattercane (4")<br>Signalgrass, broadleaf*<br>Stinkgrass*<br>Wheat, volunteer<br>Wild oat*<br>Yellow nutsedge* | Alfalfa, volunteer**<br>Canada, thistle*<br>Chickweed, common<br>Cocklebur*<br>Dandelion (6" diameter)<br>Henbit<br>Kochia<br>Lambsquarters, common*<br>Morningglory, ivyleaf*<br>Mustard (birdsrape, black, wild)<br>Nightshade, hairy*<br>Pigweed, (prostrate, redroot, smooth)<br>Purslane, common*<br>Ragweed, common*<br>Shepherd's purse<br>Smartweed, Pennsylvania*<br>Wild radish<br>Velvetleaf*          |

\* Suppression/Partial control  
\*\* Except in California.

### TANK MIXTURES

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Tank mix **Rimsulfuron-S 25% SG** with full or reduced rates of other products registered for use in corn. If the directions for use are in contrast with this **Rimsulfuron-S 25% SG** label, do not use in a tank mixture with **Rimsulfuron-S 25% SG**.

#### Tank Mix Compatibility Testing

Perform a jar test prior to tank mixing to ensure compatibility of **Rimsulfuron-S 25% SG** and other pesticides. Use a clear quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately ½ hour. If the mixture balls-up, forms flakes, sludge, gel, oily film or layers, or other precipitates, do not use it because it is not compatible.

### Pre-Emergence to Corn

#### For Additional Control of Grass and Broadleaf Weeds

Tank mix **Rimsulfuron-S 25% SG** with full or reduced rates of pre-emergence grass and broadleaf herbicides such as atrazine, Stalwart® C, Stalwart® Xtra, Stalwart® Xtra Lite, Visor® S-MOC ATZ, Cinch®, Cinch® ATZ, "Harness", "Outlook", "Balance PRO", "Lumax", or equivalent product for additional residual activity or burndown activity on weeds that have already emerged. Consult the tank mix partner labeling for specific use rate and soil restrictions.

### Post-Emergence to Corn

#### Tank Mixtures with Glufosinate

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Tank mix applications of **Rimsulfuron-S 25% SG** with glufosinate herbicides may be made to corn hybrids containing the "Liberty Link" gene. Confirm with your seed supplier that seeds are "Liberty Link" hybrid before making any applications containing glufosinate herbicides.

**Rimsulfuron-S 25% SG** at 0.75 oz., will provide improved burndown and/or limited residual activity on the weeds listed below, when used in tank mixtures with glufosinate herbicide, as compared to glufosinate used alone:

Foxtail (giant, yellow); Lambsquarters, common; Pigweed, redroot; Velvetleaf.

#### Tank Mixtures with Glyphosate

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Tank mix applications of **Rimsulfuron-S 25% SG** with glyphosate herbicides may be made to "Roundup Ready" corn hybrids. Confirm with your seed supplier that seeds are a "Roundup Ready" corn hybrid before making any applications containing glyphosate herbicides.

**Rimsulfuron-S 25% SG** at 1 oz. will provide improved burndown and/or residual activity on the weeds listed in the table below when used in a tank mixture with a glyphosate herbicide, as compared to using glyphosate alone.

|                     |                                      |                            |
|---------------------|--------------------------------------|----------------------------|
| Alfalfa, volunteer* | Johnsongrass, seedling               | Sandbur (field, longspine) |
| Barley, volunteer   | Kochia                               | Shepherd's purse           |
| Barnyardgrass       | Lambsquarters, common                | Signalgrass, broadleaf     |
| Bluegrass, annual   | Millet, wild-proso                   | Smartweed, Pennsylvania    |
| Canada thistle      | Morningglory, ivyleaf                | Stinkgrass                 |
| Chamomile, false    | Mustard (birdsrape, black, wild)     | Velvetleaf                 |
| Chickweed, common   | Nightshade, hairy                    | Wheat, volunteer           |
| Cocklebur           | Panicum, fall                        | Wild buckwheat             |
| Crabgrass           | Pigweed (prostrate, redroot, smooth) | Wild oat                   |

|  |  |                                |
|--|--|--------------------------------|
| Dandelion (6" diameter)<br>Filaree, redstem<br>Foxtail (bristly, giant, green, yellow)<br>Henbit | Purslane, common<br>Quackgrass<br>Ragweed, common<br>Ryegrass, Italian | Wild radish<br>Yellow nutsedge |
| *Except in California.   |  |                                |

### Kochia

For improved control of kochia, tank mix **Rimsulfuron-S 25% SG** with  $\frac{1}{3}$  to  $\frac{2}{3}$  pint per acre of "Starane" or equivalent. Make applications at the higher rates listed if weed pressure is heavy. Reference the "Starane" label for specific use information and restrictions. Tank mix applications of **Rimsulfuron-S 25% SG** with "Starane" and  $\frac{1}{16}$  to  $\frac{1}{8}$  lb. dicamba active ingredient (such as 2 to 4 fl. oz. of Topeka®, "Banvel", "Clarity", or equivalent) for broader spectrum weed control.

### Broadleaf Weeds – Added Control

For improved burndown or residual control of broadleaf weeds (including common waterhemp, common ragweed, common lambsquarters, and velvetleaf), tank mix **Rimsulfuron-S 25% SG** with 2 pints per acre of "Lumax" or 2  $\frac{1}{2}$  pints per acre of "Lexar". Use a nonionic surfactant when applying mixtures of **Rimsulfuron-S 25% SG** plus "Lumax" or "Lexar". Reference the "Lumax" or "Lexar" product labels for additional application information, use restrictions and rotational crop information.

For improved burndown or residual control of broadleaf weeds (including common waterhemp, common ragweed, common lambsquarters, and velvetleaf), tank mix **Rimsulfuron-S 25% SG** with 0.5 to 0.75 fluid ounce per acre of "Impact" or equivalent plus atrazine at 0.375 to 1.5 pounds active per acre.

Use methylated seed oil when applying mixtures of **Rimsulfuron-S 25% SG** plus "Impact" at 0.5 fluid ounce per acre. Reference the "Impact" product label for additional application information, use restrictions and rotational crop information.

### Tank Mix Restrictions:

- Do not apply tank mixtures of **Rimsulfuron-S 25% SG** with glyphosate herbicides to conventional corn hybrids that do not contain the "Roundup Ready" gene.
- Do not apply tank mixtures of **Rimsulfuron-S 25% SG** with glufosinate herbicides to conventional corn hybrids that do not contain the "Liberty Link" gene.
- To avoid adverse crop response or antagonism, applications of the products below should not be made for at least 7 days before or 3 days after the application of **Rimsulfuron-S 25% SG**. Do not tank mix **Rimsulfuron-S 25% SG** with "Laddok" and "Basagran" or severe adverse crop response may occur. Do not make tank mixture applications of **Rimsulfuron-S 25% SG** with foliar-applied organophosphate (OP) insecticides such as malathion, parathion, "Lorsban", etc., as severe adverse crop response may occur.
- Do not exceed product label application rates. Do not make tank mixture applications of **Rimsulfuron-S 25% SG** with other products that contain rimsulfuron, unless the label of either tank mix partner provides specific information on the maximum use rate that may be used.

Applications of **Rimsulfuron-S 25% SG** may be made in tank mixture with glyphosate and other products registered for use in field corn – except as noted in restrictions and precautions in this label or the tank mix partner label.

Apply **Rimsulfuron-S 25% SG** in tank mix combinations with full or reduced rates of other products provided that:

- The tank mix product is labeled at the same application timing and method, with same adjuvants, and use restrictions as **Rimsulfuron-S 25% SG** and other products used in the tank mixture.
- The tank mixture partner product label does not specifically prohibit the use.

### Tank Mix Precautions:

- Read and follow all precautions, restrictions, and applicable use directions specified on the tank mix partner product labels and fact sheets.
- Weed control and adverse crop response with tank mixes not specifically recommended on this label are the responsibility of the user and manufacturer of the tank mix product if recommended.
- Under stressful conditions, a corn plant's physiological disposition is to develop fused tissue that emerges from the whorl after the V-11 stage. When making tank mix applications to small corn (V-3 stage or smaller) under early stressful conditions, the incidence of this growth pattern may increase when a product containing dicamba (i.e., "Clarity", "Marksman") is applied. For a description of these stressful conditions, see the ENVIRONMENTAL CONDITIONS section of this label.

**CHEMIGATION**

Do not make applications of **Rimsulfuron-S 25% SG** through any type of irrigation system.

**MIXING INSTRUCTIONS**

1. Fill the tank  $\frac{1}{4}$  to  $\frac{1}{2}$  full with water.
2. Add the required amount of **Rimsulfuron-S 25% SG** while agitating the tank.
3. Maintain agitation until the **Rimsulfuron-S 25% SG** is dispersed fully (at least 5 minutes).
4. Once product is fully dispersed, maintain agitation and fill tank with water. Thoroughly mix **Rimsulfuron-S 25% SG** with water before adding any other material.
5. Add tank mix partners (if desired), as the tank is filling with water. Then, if needed, add the necessary amount of spray adjuvant. Add the spray adjuvant last.
6. Tank mix partners can settle out if agitation of the tank mix is not maintained. Thoroughly agitate and mix before using, if settling occurs.
7. To avoid product degradation, make application of **Rimsulfuron-S 25% SG** mixture within 48 hours of mixing.

Consult the tank mix partner label for ground or surface water advisory information - follow all label precautions and restrictions.

**BROADCAST APPLICATIONS**

To ensure thorough coverage of the weeds and optimum product performance, use a minimum of 15 gallons of water per acre (GPA). For light, scattered stands of weeds, use a minimum of 10 GPA. Use spray nozzles and pressure that will deliver medium spray droplets as indicated by ASAE Standard S572. If using nozzles that deliver coarse spray droplets to reduce drift, increase spray volume to maintain coverage on small weeds. Adjust the spray boom to the lowest possible spray height suggested in manufacturers' specifications for optimal product performance and minimal spray drift. Set up equipment to avoid applying an excessive rate directly over the rows and into the corn plant whorl. Turning while spraying, overlaps, starting, stopping, or slowing may result in adverse crop response.

**AERIAL APPLICATION**

**Do not make aerial applications in the states of California and New York.**

When making applications by air, use a minimum of 5 GPA and medium or coarse nozzles that provide optimum spray distribution and maximum coverage. Do not make applications during temperature inversions, when wind speed is less than 3 mph or above 10 mph, or when conditions or winds favor poor coverage and/or off-target spray drift.

**ROTATIONAL CROP GUIDELINES**

Observe the following rotational intervals when using **Rimsulfuron-S 25% SG**:

| <b>1 OZ. MAXIMUM USE RATE</b>  |                          |
|--|--------------------------|
| <b>Rotation Crop</b>   | <b>Interval (Months)</b> |
| Field Corn, Potatoes   | Anytime                  |
| STS Soybeans***, Tomato  | 1                        |
| Cereals, Winter (wheat)  | 3                        |
| Cereals, Spring (wheat, oats, barley)  | 9                        |
| Alfalfa*†, Beans (dry and snap), Canola†, Corn (pop or sweet), Cotton†, Cucumber, Flax, Peas, Rice**, Red Clover†, Sorghum†, Soybeans, Sunflower, Sugarbeets†  | 10                       |
| Crops Not Listed   | 18                       |
| * For sprinkler irrigated fields in Idaho, Northern Nevada, and Utah, use deep fall tillage such as plowing prior to planting alfalfa for best results. Product degradation may be less on furrow-irrigated soils and may result in adverse crop response.<br>† 18 months in the Red River Valley region of MN and ND. The rotation intervals must be extended to 18 months if drought conditions prevail after application and before the rotational crop is planted, unless sprinkler irrigation has been applied and totals greater than 15" during the growing season, in all other areas.<br>** Soils with pH less than 6.5.<br>*** Sulfonyleurea Tolerant Soybean. |                          |

| <b>2 OZ. MAXIMUM USE RATE</b> |                          |
|-------------------------------|--------------------------|
| <b>Rotation Crop</b>          | <b>Interval (Months)</b> |
| Corn (field), Potatoes        | Anytime                  |
| Tomato                        | 1                        |
| Cereals, Winter (wheat)       | 3                        |

|   |    |
|---|----|
| STS Soybeans***   | 4  |
| Cereals, Spring (wheat, oats, barley)   | 9  |
| Beans (dry and snap), Corn (pop or sweet), Cotton†, Cucumber, Flax, Soybeans, Sunflower   | 10 |
| Crops Not Listed  | 18 |
| † The rotation intervals must be extended to 18 months if drought conditions prevail after application and before the rotational crop is planted, unless sprinkler irrigation has been applied and totals greater than 15" during the growing season, in all other areas. |    |
| *** Sulfonyleurea Tolerant Soybean.   |    |

### SPRAY PREPARATION and CLEAN-UP

Spray equipment should be clean and free of previous pesticide deposits or residue before using **Rimsulfuron-S 25% SG** followed by proper cleaning after application. Before applying **Rimsulfuron-S 25% SG**, clean all application equipment, following the clean-up procedures specified on the label of the product previously sprayed. Use the procedure that follows, if no clean-up procedure is provided. Thoroughly clean all mixing and spray equipment to avoid subsequent adverse crop response immediately after application of **Rimsulfuron-S 25% SG**.

#### Clean-up Procedure

1. Drain the spray tank and thoroughly hose down the inside surfaces. Flush the hoses, boom and tank with clean water for at least 5 min.
2. Fill the tank partially with clean water. For every 100 gallons of water, and add one gallon of household ammonia\*\*\* (that contains 3% active). Finish filling the tank with water, then flush the cleaning solution through the boom, hoses, and nozzles. Completely fill the tank with water and agitate/recirculate for at least 15 min. Again, flush the boom, hoses, and nozzles with the cleaning solution. Drain the tank.
3. Repeat Step 2.
4. Remove and clean the nozzles and screens separately in a container with the cleaning agent and water.
5. Rinse the tank with clean water thoroughly for a minimum of 5 minutes, flushing the water through the boom and hoses.

\*\*\*Equivalent amounts of an alternate strength ammonia solution or a tank cleaner recommended by the equipment manufacturer may be used.

#### Notes:

1. Read and follow product label directions for proper disposal of rinsate.
2. To dislodge any visible pesticide deposits, steam-cleaning of aerial spray tanks should be conducted.
3. When spraying or using mixing equipment over an extended period of time with **Rimsulfuron-S 25% SG**, partially fill the tank with fresh water at the end of each day of spraying, flush the boom and hoses, and allow to sit overnight.

### SPRAY DRIFT MANAGEMENT

The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions. AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR. Where states have more stringent regulations, they should be followed.

#### Importance of Droplet Size

The most effective way to reduce drift potential is to apply large droplets (>150 - 200 microns). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. APPLYING LARGER DROPLETS REDUCES DRIFT POTENTIAL, BUT WILL NOT PREVENT DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVORABLE ENVIRONMENTAL CONDITIONS! See "Wind, Temperature and Humidity", and "Temperature Inversions" sections of this label.

#### Controlling Droplet Size - General Techniques

- **Volume** - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure** - Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.
- **Nozzle Type** - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles.

**Boom Height**

Set the boom at the lowest height that provides uniform coverage and reduces the exposure of droplets to evaporation and wind. For ground equipment, the boom should remain level with the crop and have minimal bounce.

**Wind**

Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given wind speed. A VOID APPLICATIONS DURING GUSTY OR WINDLESS CONDITIONS.

**Note:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

**Temperature and Humidity**

When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

**Temperature Inversions**

Drift potential is high during a temperature inversion. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

**Shielded Sprayers**

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

**AIR-ASSISTED (AIR BLAST)  
FIELD CROP SPRAYERS**

Air-assisted field crop sprayers carry droplets to the target via a downward-directed airstream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application and is configured properly, and that drift is not occurring.

**BIOLOGICAL ACTIVITY AND ENVIRONMENTAL CONDITIONS**

**Rimsulfuron-S 25% SG** rapidly inhibits the growth of susceptible weeds by absorption through the roots of plants. Moisture (rainfall or sprinkler irrigation) is needed to move **Rimsulfuron-S 25% SG** into the soil. If applications are made pre-emergence, susceptible weeds will typically be controlled. In some situations, weeds may germinate and emerge a few days after application, but growth will cease with leaves becoming chlorotic 3 to 5 days after emergence. Biological response varies by species, death of leaf tissue and growing point will follow in some species, while others will remain green but stunted and noncompetitive.

**Rimsulfuron-S 25% SG** may be less effective on weeds stressed from adverse environmental conditions (such as extreme temperatures or moisture), sub-optimal growing conditions, abnormal soil conditions, or cultural practices.

**RESISTANCE**

There is potential risk of resistance development in some weeds against the herbicides that have been used repeatedly. While the development of resistance is well understood, it is not easily predicted. Therefore, herbicides must be used in conjunction with resistance management strategies in the area. Consult the local or State agricultural advisors for details. If weed resistance develops in the area, this product used alone may not continue to provide sufficient levels of weed control. If the reduced levels of control cannot be attributed to improper application timing, unfavorable weather conditions or abnormally high weed pressure, a resistant strain may have developed.

To reduce the potential for weed resistance, use this product in a rotation program with other classes of chemistry and modes of action. Always apply this product at the specified labelled rates and in accordance with the use directions. Do

not use less than specified label rates alone or in tank mixtures. Do not use reduced rates of the tank mix partner. For optimum performance, scout fields carefully and begin applications when weeds are smaller rather than larger. If resistance is suspected, contact the local or State agricultural advisors.

### INTEGRATED PEST MANAGEMENT

Integrate **Rimsulfuron-S 25% SG** into an overall weed pest management strategy whenever the use of an herbicide is required. Practices known to reduce weed development (tillage, crop competition) and herbicide use (weed scouting, proper application timing, banding) should be followed wherever possible. Consult local agricultural and weed authorities for additional IPM strategies established for your area.

### SOIL INSECTICIDE INTERACTION INFORMATION

There may be interactions with certain insecticides previously applied to the crop. Adverse crop response varies with corn type, insecticide used, the application method used for the insecticide product, and the soil type. **Rimsulfuron-S 25% SG** may be applied to corn previously treated with the following soil applied products: "Aztec", "Fortress", or "Force" insecticides or non-organophosphate (OP) soil insecticides regardless of soil type.

### RESTRICTIONS:

- Do not make applications of **Rimsulfuron-S 25% SG** within 60 days of crop emergence where an organophosphate insecticide (such as "Counter") was applied as an in-furrow treatment since adverse crop response may occur. Allow at least 60 days between a pre-emergence or pre-plant application of **Rimsulfuron-S 25% SG** and application of an organophosphate insecticide since adverse crop response may result.
- DO NOT make applications of **Rimsulfuron-S 25% SG** to corn previously treated with "Counter" 15G or to corn treated with "Counter" 20CR as an in-furrow application or over the row at cultivation.
- Applications of **Rimsulfuron-S 25% SG** to corn previously treated with "Counter" 20CR, "Lorsban", or "Thimet" may cause unacceptable adverse crop response and injury, especially on soils that contain less than 4% organic matter.
- Do not allow livestock to graze, or feed forage, grain or fodder (stover) from treated areas within 30 days of **Rimsulfuron-S 25% SG** application.

Injury, loss or adverse crop response of desirable trees or vegetation may result from failure to observe the following:

- Do not make applications of **Rimsulfuron-S 25% SG** or drain or flush application equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.
- Do not use on driveways, lawns, tennis courts, walks or similar areas.
- Prevent spray drift to desirable plants.
- Do not contaminate bodies of water.
- Clean application equipment thoroughly, immediately after use. (See **SPRAY PREPARATION and CLEAN-UP** section of this label for additional information).
- Carefully observe sprayer cleanup instructions, as spray tank residue may damage crops other than potatoes or tomatoes.
- Do not apply using Air Assisted (Air Blast) field-crop sprayers.

If there are prolonged periods of cold weather and/or in conjunction with wet soils, adverse crop response may occur following an application of **Rimsulfuron-S 25% SG**.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store product in original container only. Store in a cool, dry place.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

#### CONTAINER HANDLING:

#### NONREFILLABLE CONTAINER (LESS THAN 50 LBS.)

Nonrefillable container: Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and

dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**NONREFILLABLE CONTAINERS (GREATER THAN 50 LBS.)**

Nonrefillable container: Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**REFILLABLE CONTAINERS**

Refillable container: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of this product, which are beyond the control of NORTH AMERICA, INC. or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold ROTAM AGROCHEMICAL COMPANY LIMITED and Seller harmless for any claims relating to such factors.

ROTAM AGROCHEMICAL COMPANY LIMITED warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent consistent with applicable law, this warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or ROTAM AGROCHEMICAL COMPANY LIMITED and Buyer and User assume the risk of any such use. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ROTAM AGROCHEMICAL COMPANY LIMITED MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

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